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**SUMMARY**

Agenda Item: D.5.1

Italy

# THE ITALIAN CONTRIBUTION TO THE DEVELOPMENT OF THE PULP AND PAPER INDUSTRY IN CERTAIN COUNTRIES UNDER INDUSTRIAL DEVELOPMENT

By Ing. Giuseppe VIOLA

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# The Italian Contribution to the Development of the Pulp and Paper Industry in Certain Countries Under Industrial Development

by

Ing. Giuseppe Viola

The expected increased paper demand has posed the problem of the search of new raw materials for pulp and paper industry, particularly in the Countries, under industrialization development.

Cereal straw, sugar cane bagasse and other grasses and annual crops, have proved their suitability for obtaining certain grades of pulp and paper. Due to the local general conditions, wheat straw pulping has been developed in Italy, since after world war I, and Italian plants have been realized in other countries, employing Italian soda-chlorine process.

The selection among the various processes available for pulping local raw materials - and we mention for straw, bagasse, etc the following ones: soda process, sulphate process, monosulphite process and soda-chlorine process - depends on the local prevailing conditions in respect of raw material disponibility and the product to be obtained, the size of the mill and the performances of the installation.

It is essential to choice the right raw material, for the right final product, employing the right process. It will allow, probably, the new industries in new countries, to be competitive with old established competitors. As the smooth operation is essential in new industries, it is recommendable to select simple and experienced processes.

As an example, we mention two factories recently built in South East Asia, with technical and financial cooperation of Italian Industry and local promoters:

- Blabak Pulp and Paper Mill in Djava (Indonesia) having a production of 7000 tons per year of writing and printing papers from rice straw and bagasse pulp.
- Cogido Pulp and Paper Mill in Viet-Nam, having a production of 7500 tons per year of writing, printing and wrapping papers.

From these concrete examples, it must be stated that the technical cooperation, the financial help, under certain agreement, and the careful initial assistance are to be considered as the basis of the development of industry in new countries.

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